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**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

IN RE APPLICATION OF:

:

Akiko ITAI ET AL

: GROUP ART UNIT: 1631

SERIAL NO: 09/656,435

:

FILED: September 6, 2000

: EXAMINER: J. LIN

FOR: METHODS FOR SEARCHING STABLE DOCKING  
MODELS OF BIOPOLYMER-LIGAND MOLECULE COMPLEX

**AMENDMENT AND REQUEST FOR RECONSIDERATION**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Responsive to the Official Action of June 4, 2001, and accompanied by a petition for a three month extension of time and the appropriate fees, Applicants respectfully request reconsideration of the above-identified application in view of the following amendments and remarks.

**IN THE CLAIMS**

Please cancel Claims 4 and 5 and add the following new claims 6-11:

B1  
SUB  
SEC 1  
--6. (New) A method which comprises:

inputting three-dimensional coordinates for each atom of a biopolymer as well as atomic element, bond-type or covalent bonds and three-dimensional coordinates for each atom of a ligand;

covering possible docking structures between said biopolymer and said ligand while changing the conformation of said ligand; and